

|   | Type | L # | Hits | Search Text   | DBs                                |
|---|------|-----|------|---|------------------------------------|
| 1 | BRS  | L1  | 1    | 10/766416   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 2 | BRS  | L2  | 0    | (gate ADJ line) with<br>((alumnninum Al) and<br>(refractory ADJ metal)) with<br>(rough\$4 ADJ surface)          | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 3 | BRS  | L3  | 0    | (gate ADJ (line wir\$3)) same<br>((alumnninum Al) and<br>(refractory ADJ metal)) with<br>(rough\$4 ADJ surface) | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 4 | BRS  | L4  | 0    | (gate ADJ (line wir\$3)) same<br>(double ADJ layer\$3) with<br>(rough\$4 ADJ surface)                           | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 5 | BRS  | L5  | 0    | (gate ADJ (line wir\$3)) same<br>(double ADJ layer\$3) with<br>(rough\$4)                                       | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 6 | BRS  | L6  | 0    | (gate ADJ (line wir\$3)) same<br>(double ADJ layer\$3) same<br>(rough\$4 ADJ surface)                           | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 7  | BRS  | L7  | 11   | (gate ADJ (line wir\$3)) same<br>(rough\$4 ADJ surface)   | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 8  | BRS  | L8  | 0    | (wir\$3) with ((alumnninum Al)<br>and (refractory ADJ metal))<br>with (rough\$4 ADJ surface)                      | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 9  | BRS  | L9  | 0    | (wir\$3) same ( ((alumnninum<br>Al) and (refractory ADJ<br>metal)) with (rough\$4 ADJ<br>surface))                | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 10 | BRS  | L10 | 1    | ( ((alumnninum Al) and<br>(refractory ADJ metal)) with<br>(rough\$4 ADJ surface))                                 | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 11 | BRS  | L11 | 69   | ( ((alumnninum Al) and (Mo Ti<br>Cr Ta W or Nb)) with (rough\$4<br>ADJ surface))                                  | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 12 | BRS  | L12 | 0    | (gate ADJ (line wir\$3)) same (<br>((alumnninum Al) and (Mo Ti Cr<br>Ta W or Nb)) with (rough\$4<br>ADJ surface)) | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |

|    | Type | L # | Hits | Search Text   | DBs  |
|----|------|-----|------|---|--|
| 13 | BRS  | L13 | 4    | wir\$3 same ( ((alumninum Al)<br>and (Mo Ti Cr Ta W or Nb))<br>with (rough\$4 ADJ surface)) | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 14 | BRS  | L14 | 10   | wir\$3 same ( ((alumninum Al)<br>and (Mo Ti Cr Ta W or Nb))<br>same (rough\$4 ADJ surface)) | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 15 | BRS  | L15 | 6    | 14 not 13   | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 16 | BRS  | L16 | 1986 | 349/139 345/103   | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 17 | BRS  | L17 | 88   | ( ((aluminum Al) and (Mo Ti Cr<br>Ta W or Nb)) with (rough\$4<br>ADJ surface))              | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 18 | BRS  | L18 | 0    | 16 and 17   | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |

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|----|------|-----|------|---|--|
| 19 | IS&R | L19 | 155  | ("4568960") or ("4796082") or<br>("5593562") or ("5217943") or<br>("5308794") or ("5345108") or<br>("6043145") or ("5305519") or<br>("5627345") or ("5946799") or<br>("6005291") or ("4556897") or<br>("4893174") or ("5208187") or<br>("5217828") or ("5236869") or<br>("5294836") or ("5302855") or<br>("5380397") or ("5471084") or<br>("5540742") or ("5556714") or<br>("5569628") or ("5738948") or<br>("5770100") or ("5827436") or<br>("5910020") or ("5918135") or<br>("5960310") or ("6150206") or<br>("6214717") or ("6214717") or<br>("4377031") or ("4410622") or<br>("4454166") or ("4467345") or<br>("4476479") or ("4538344") or<br>("4545851") or ("4547260") or<br>("4613888") or ("4756976") or<br>("4876581") or ("4878105") or<br>("4907039") or ("4923823") or<br>("4987562") or ("5014109") or<br>("5179435") or ("5229646") or<br>("5238874") or ("5266521") or<br>("5296653") or ("5316972") or<br>("5320707") or ("5330633") or<br>("5355020") or ("5385867") or<br>("5397432") or ("5401689") or<br>("5420075") or ("5448113") or<br>("5449940") or ("5468682") or<br>("5506177") or ("5512515") or<br>("5543357") or ("5559056") or<br>("5602059") or ("5677240") or<br>("5699134") or ("5741741") or<br>("5747384") or ("5792695") or<br>("5821627") or ("5834846") or<br>("5843843") or ("5843842") or | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |

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|  |  |  | ("5895965") or ("5898221") or<br>("5911857") or ("5929723") or<br>("5929505") or ("5960320") or<br>("5963827") or ("5976967") or<br>("5981395") or ("5989988") or<br>("5990011") or ("5994749") or<br>("6001729") or ("6008124") or<br>("6031274") or ("6037820") or<br>("6069065") or ("6081032") or<br>("6140225") or ("6143377") or<br>("6150270") or ("6156485") or<br>("6166620") or ("6171967") or<br>("6177149") or ("6218299") or<br>("6225217") or ("6218299") or<br>("6225217") or ("6236106") or<br>("3890636") or ("4125426") or<br>("4255210") or ("4263606") or<br>("4271424") or ("4278702") or<br>("4283733") or ("4283439") or<br>("4305974") or ("4307147") or<br>("4314268") or ("4321284") or<br>("4332226") or ("4348746") or<br>("4352724") or ("4371423") or<br>("4399605") or ("4404663") or<br>("4406737") or ("4413403") or<br>("4423700") or ("4430364") or<br>("4433004") or ("4433468") or<br>("4448800") or ("4470189") or<br>("4472730") or ("4476157") or<br>("4482914") or ("4484212") or<br>("4491304") or ("4502210") or<br>("4502207") or ("4514233") or<br>("4517225") or ("4516312") or<br>("4521041") or ("4523216") or<br>("4524508") or ("4527181") or<br>("4539582") or<br>("4541707")).PN. |  |
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|    | Type | L # | Hits | Search Text   | DBs  |
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| 20 | IS&R | L20 | 100  | ("4543368") or ("4561009") or<br>("4564097") or ("4585490") or<br>("4594606") or ("4607168") or<br>("4611236") or ("4612257") or<br>("4625227") or ("4625678") or<br>("4631705") or ("4755863") or<br>("4755864") or ("4757234") or<br>("4761677") or ("4764798") or<br>("4764802") or ("4780753") or<br>("4791239") or ("4791321") or<br>("4791474") or ("4799093") or<br>("4799101") or ("4800176") or<br>("4800177") or ("4800179") or<br>("4801559") or ("4803541") or<br>("4804560") or ("4807017") or<br>("4809046") or ("4816887") or<br>("4825276") or ("4828870") or<br>("4830891") or ("4831424") or<br>("4833519") or ("4835591") or<br>("4835597") or ("4842891") or<br>("4845544") or ("4847673") or<br>("4853894") or ("4855257") or<br>("4859036") or ("4865649") or<br>("4870471") or ("4875047") or<br>("4875084") or ("4881144") or<br>("4893404") or ("4904619") or<br>("4907059") or ("4908333") or<br>("4908690") or ("4937652") or<br>("4942450") or ("4942138") or<br>("4943841") or ("4943717") or<br>("4943468") or ("4948756") or<br>("4948743") or ("4951118") or<br>("4954871") or ("4961104") or<br>("4963239") or ("4963002") or<br>("4965653") or ("4965577") or<br>("4968643") or ("4972295") or<br>("4974049") or ("4980745") or<br>("4981812") or ("4983250") or<br>("4984050") or ("4985746") or | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |

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|  |  |  |  | ("4985750") or ("4990218") or<br>("4992135") or ("4992389") or<br>("5001108") or ("5005071") or<br>("5014104") or ("5019675") or<br>("5023699") or ("5025301") or<br>("5066612") or ("5051812") or<br>("5046160") or ("5042008") or<br>("5040048") or ("5038183") or<br>("5036382") or ("5177502") or<br>("5181132") or ("5182405") or<br>("5183725") or<br>("5184205")).PN. |  |
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|    | Type | L # | Hits | Search Text  | DBs                                |
|----|------|-----|------|--|------------------------------------|
| 21 | IS&R | L21 | 0    | ("(1920)and11").PN.  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 22 | BRS  | L22 | 0    | (19 20) and 11   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 23 | BRS  | L23 | 0    | (gate ADJ (line wir\$3)) same ((alumninum Al) and (Mo Ti Cr Ta W or Nb)) and (rough\$4 ADJ surface)) | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 24 | BRS  | L24 | 0    | (gate ADJ (line wir\$3)) same ((aluminum Al) and (Mo Ti Cr Ta W or Nb)) and (rough\$4 ADJ surface))  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 25 | BRS  | L25 | 132  | (gate ADJ (line wir\$3)) and ((aluminum Al) and (Mo Ti Cr Ta W or Nb)) and (rough\$4 ADJ surface))   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 26 | BRS  | L26 | 0    | (19 20) and 25   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |



|    | Type | L # | Hits  | Search Text   | DBs                                |
|----|------|-----|-------|---|------------------------------------|
| 27 | BRS  | L27 | 4     | (gate ADJ (line wir\$3)) and ((aluminum Al) and (Mo Ti Cr Ta W or Nb)) same (rough\$4 ADJ surface)) | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 28 | BRS  | L28 | 30484 | (gate ADJ (line wir\$3)) a same (rough\$4 ADJ surface)  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 29 | BRS  | L29 | 11    | (gate ADJ (line wir\$3)) same (rough\$4 ADJ surface)  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 30 | BRS  | L30 | 3     | rough\$4 ADJ (gate ADJ (line wir\$3))   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 31 | BRS  | L31 | 0     | (gate ADJ (line wir\$3)) ADJ surface same rough\$4  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 32 | BRS  | L32 | 255   | ((wir\$3)) ADJ surface same rough\$4  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |

|    | Type | L # | Hits   | Search Text                            | DBs                                |
|----|------|-----|--------|--|------------------------------------|
| 33 | BRS  | L33 | 197    | ((wir\$3)) ADJ surface with rough\$4   | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 34 | BRS  | L34 | 180099 | liquid ADJ crystal ADJ display         | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 35 | BRS  | L35 | 2      | 33 and 34                              | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 36 | BRS  | L36 | 2      | 32 and 34                              | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 37 | BRS  | L37 | 69     | (gate ADJ (line wir\$3)) with rough\$4 | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 38 | IS&R | L38 | 1      | ("6081308").PN.                        | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |

|    | Type | L # | Hits | Search Text  | DBs                                |
|----|------|-----|------|--|------------------------------------|
| 39 | BRS  | L39 | 1    | 38 and ((alumninum Al) and (Mo Ti Cr Ta W or Nb))  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 40 | BRS  | L40 | 1    | (hillocks or whiskers) and (1 38)  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 41 | BRS  | L41 | 43   | ((alumninum Al) and (Mo Ti Cr Ta W or Nb)) with (suppress\$3 and (hillocks or whiskers)) | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 42 | BRS  | L42 | 28   | 34 and 41  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 43 | BRS  | L43 | 9    | (gate ADJ (line wir\$3)) and 42  | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |
| 44 | BRS  | L44 | 1159 | ((alumninum Al) and (Mo Ti Cr Ta W or Nb)) with (grain ADJ size)                         | US-PGPUB;<br>USPAT;<br>EPO;<br>JPO |

|    | Type | L # | Hits | Search Text                     | DBs  |
|----|------|-----|------|---------------------------------|--|
| 45 | BRS  | L45 | 0    | (gate ADJ (line wir\$3)) and 44 | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |
| 46 | BRS  | L46 | 4    | 34 and 44                       | US-<br>PGPUB<br>;<br>USPAT;<br>EPO;<br>JPO |